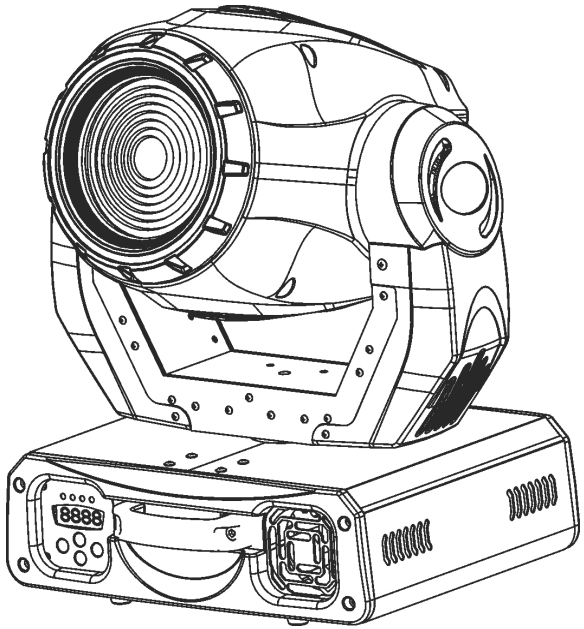
iSolution
Your integrated Solution

DMX512

LINKABLE
STAND ALONE

Marvelous Sound Activation



User Guide

Please read these instructions carefully before use

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1. Safety Instruction

Please read the instruction carefully which includes important information about the installation. usage and maintenance.

WARNING

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- The unit is designed for use with the MSD 575W, MSR 575/2, NSD 575W or NSD 575/2 lamps. Do not use any other type of lamp.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before fuse/lamp replacement or servicing.
- Replace fuse/lamp only with the same type.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Use safety chain when fixes this unit. Don't handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is Ta : 40℃. Don't operate it where the temperature is higher than this.
- Unit surface temperature may reach up to 85℃. Don't touch the housing bare-hand during its operation, and allow about 15 minutes to cool down before replacing bulb or serving, as the unit could be very hot.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Don't connect the device to any dimmer pack.
- Do not touch any wire during operation as high voltage might be causing electric shock.

Warning

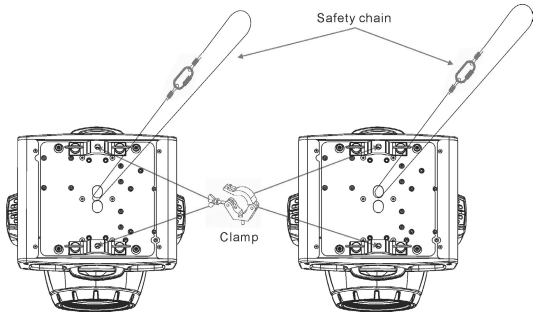
- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- Never touch bulb with bare fingers, as it is very hot after using.
- Hot lamp explosion hazard. Do not open the unit within five minutes after switching off.
- Do not start on the unit without bulb enclosure or housing are damaged.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- Do not look directly at the light while the bulb is on.

Caution

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs by yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation

The unit should be mounted via its mounting system (as shown below) on the bottom of the base. Use clamps to fix the unit to truss. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 50 kgs for each unit. Also always use a safety cable that can hold 10 times of the weight of the unit when installing the fixture.



2. Technical Specification

- **Power supply**
  - AC 100V/120V - 60Hz
  - AC 230/240/250V - 50/60Hz
- **Lamp**
  - MSD 575W or NSD 575W
  - MSR 575/2 or NSD 575/2
- **Optical system**
  - High efficiency optical system
  - High quality optical lens and dichroic colors
  - Auto focus
  - Beam angle: 11°~28°
- **Shutter/Dimmer**
  - Blackout, 0~100% smooth dimming and strobe speed variable (1~10 flashes per second)
- **Color wheel**
  - Independent color wheel with 9 dichroic colors plus white.
  - Color wheel rotates with variable speed, giving rainbow effect.
- **CMY Mixing system**
  - Cyan: 0 ~ 100%, Magenta: 0 ~ 100%, Yellow: 0 ~ 100%
- **Effect Wheel**
  - Frost filter and diagonal lens
- **Movement**
  - Pan: 540° in 2.8 second.
  - Tilt: 270° in 1.6 second.
  - Automatic pan/ tilt homing correction.
- **DMX Channels**
  - Standard DMX 512 signal addressing and can be controlled by any universal DMX controller.

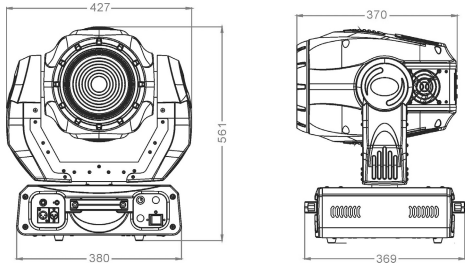
16 Channels:

Channel 1 = Pan	Channel 9 = Yellow
Channel 2 = Tilt	Channel 10 = CMY color Mix
Channel 3 = Pan/Tilt Speed	Channel 11 = CMY Speed
Channel 4 = Dimmer	Channel 12 = Effect Wheel
Channel 5 = Shutter	Channel 13 = Zoom
Channel 6 = Color	Channel 14 = Pan 16 bit
Channel 7 = Cyan	Channel 15 = Tilt 16 bit
Channel 8 = Magenta	Channel 16 = Lamp On/Off/Reset

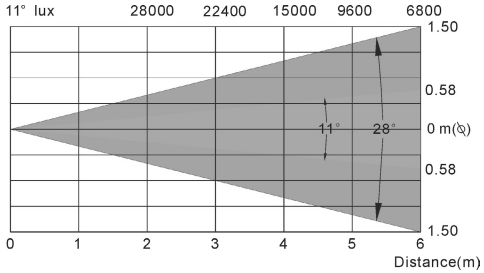
8 Channels:

Channel 1 = Pan
Channel 2 = Tilt
Channel 3 = Shutter
Channel 4 = Effect wheel
Channel 5 = Color
Channel 6 = CYM Color Mix /Macro
Channel 7 = Dimmer
Channel 8 = Zoom

- **Dimension:** 428 x 387x 491 mm
- **Weight:** 30.5 kgs



Luminous intensity:



3. Lamp

In case of replacement of the lamp or maintenance, do not open the fixture within 15 minutes until the unit cools down after switching off.

WARNING

Because of its high internal pressure, there might be a risk that the Discharge lamp would explode during operation. The lamp emits intense UV radiation which is harmful to the eyes and skin. The high luminance of the arc can cause severe damage to the retina if looks directly at the lamp.

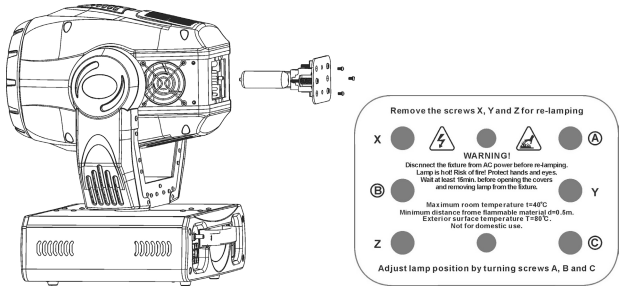
Discharge lamp:

MSD 575W or NSD 575W

MSR 575/2 or NSD 575/2

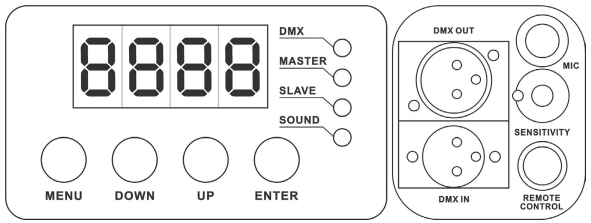
1. Always switch off the main supply and never handle the lamp or luminaire when it is hot.
2. Do not touch the bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe it with a lint free cloth before installation.
3. The lamp generates UV radiation. Never operate the lamp without appropriate shielding.
4. When burning, the lamp operates at high pressure and there is a slight risk of arc tube rupture. The risk increases with age, temperature and improper handling of the lamp. Do not use the lamp any longer than its specified life.

5. Make sure the lamp is located in the center of the reflector for the best spot. Adjust lamp position by screws A, B and C.


Remove the screws X, Y and Z for re-lamping
X
A
WARNING!
Disconnect the fixture from AC power before re-lamping.
Lamp is hot! Risk of fire! Protect hands and eyes.
Wait at least 15min. before opening the covers
and removing lamp from the fixture.
B
Y
Maximum room temperature t=40°C
Minimum distance frome flammable material d=0.6m.
Exterior surface temperature T<80°C.
Not for domestic use.
Z
C
Adjust lamp position by turning screws A, B and C

4. How To Set The Unit

4.1. Control Panel



Display

To show the various menus and the selected functions.

LED

DMX	On	DMX input present
MASTER	On	Master mode
SLAVE	On	Slave mode
SOUND	Flashing	Sound activation

Button

MENU	To select the programming functions
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	To confirm the selected functions

Remote controller input

By connecting to the 1/4” microphone jack to control the unit for Stand by, Function, and Mode function.

Sensitivity

To adjust the sound receives sensitivity.

Microphone

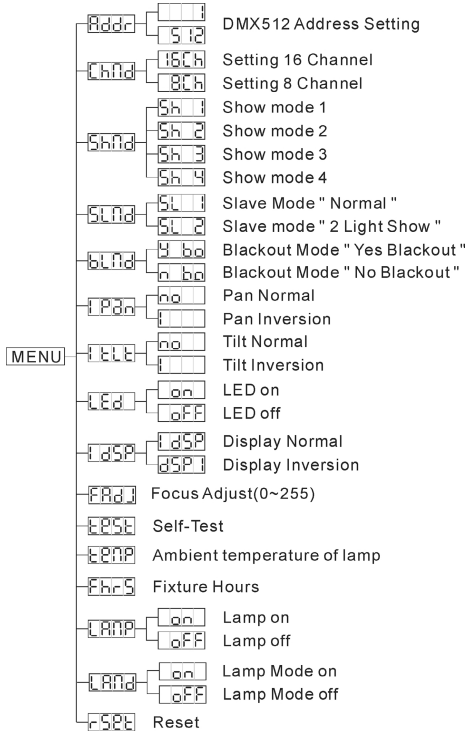
To receive audio signal for sound activated.

DMX input/output

For DMX 512 link, use 3-pin XLR plug cable to link the unit together.

4.2. Main Function

To select any of the pre-set functions, press the **MENU** button until the required one is shown on the display. Select the function by **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to the main functions without any change after idling 8 seconds. To go back to the functions without any change press the **MENU** button. The main functions are shown below:



Addr DMX 512 Address Setting

Press the **MENU** button until the Addr is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX 512 address.

Once the address has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions

without any change press the **MENU** button again.

ChNd Channel Mode

Press the **MENU** button until the ChNd is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the 16Ch (16 Channel) or 8Ch (8 Channel) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

ShNd Show Mode

Press the **MENU** button until the ShNd is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the Sh 1 (show 1) or Sh 2 (show 2) or Sh 3 (show 3) or Sh 4 (show 4) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

Sh 1 Show 1 mode - Fixture is placed on the floor. Tilt movement angle 210°.

Sh 2 Show 2 mode - Fixture is fixed under ceiling. Tilt movement angle 90°.

Sh 3 Show 3 mode - Fixture is placed on the speaker, The spot is always projecting to the audience's direction; i.e in front of the stage. Pan movement angle (left to right to left): 160°. Tilt movement angle: 90° (60° above horizon; 30° below horizon.)

Sh 4 Show 4 mode - Fixture is fixed under ceiling. The spot is mainly projecting in front of the stage. Pan movement angle (left to right to left) :160°. Tilt movement angle: 90° (vertically, front 75°; back 15°)

SLNd Slave Mode

Press the **MENU** button until the SLNd is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the SL 1 (normal) or SL 2 (2 light show) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

bLNd Blackout Mode

Press the **MENU** button until the bLNd is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the Y ba (yes blackout) or n ba (no blackout) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

1Pan Pan Inversion

Press the **MENU** button until the 1Pan is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the no (normal) or 1 (pan inversion) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

1tLt Tilt Inversion

Press the **MENU** button until the 1tLt is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the no (normal) or 1 (tilt inversion) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

LEd Led Display

Press the **MENU** button until the LEd is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (Led on) or oFF (Led off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

Display Inversion

It is good for you to install the unit on the floor or under ceiling. Press the **MENU** button until the dSP is blinking on the display. Use the **ENTER** button to change to the mode dSPI (display inversion), It will automatically store after 8 seconds. Or press the **ENTER** button again return to the mode dSP (display normal). To go back to the functions press the **MENU** button.

dSP Display normal mode for the fixture putting on the floor.
dSPI Display inversion mode for the fixture fixing under ceiling.

Focus Adjust

Press the **MENU** button until the FAdJ is blinking on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the (0~255) value. Once the value has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. TO go back to the functions without any change press the **MENU** button again.

Self-Test

Press the **MENU** button until the tESt is blinking on the display. Pressing **ENTER** button and the unit will run self-test by built-in program. To go back to the functions press the **MENU** button again.

Ambient temperature of lamp

Press the **MENU** button until the tEMP is blinking on the display. Pressing **ENTER** button and the ambient temperature of lamp will show on the display. To go back to the functions press the **MENU** button again.

Fixture Hours

Press the **MENU** button until the FHrS is blinking on the display. Pressing **ENTER** button and the display will show the number of working hours of the unit. To go back to the functions press the **MENU** button again.

Lamp ON/OFF

Press the **MENU** button until the LAMP is blinking on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (Lamp on) or oFF (Lamp off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

Lamp Mode

Press the **MENU** button until the LAMd is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (Lamp mode on) or oFF (Lamp mode off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

Reset

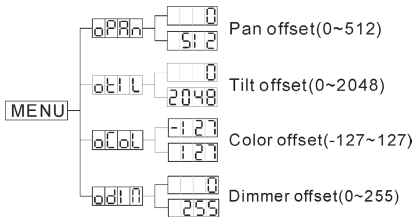
Press the **MENU** button until the rSEt is blinking on the display. Pressing **ENTER** button and all channels of the unit will return to their standard position. To go back to the functions press the **MENU** button again.

DMX RESET :

Set DMX value of channel 16 to 200~209, then all channels of the unit will return to their standard home position after about 5 seconds.

4.3 Home Position Adjustment

Press **MENU** button for at least 5 seconds into offset mode to adjust the home position, the functions are shown below:



Pan offset

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button until the oPAn is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the pan home position. Once the position has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, to go back to the main functions without any change after 8 seconds.

Tilt offset

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button until the otIL is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the tilt home position. Once the position has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, to go back to the main functions without any change after 8 seconds.

Color offset

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button until the oCoL is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the color home position. Once the color has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, to go back to the main functions without any change after 8 seconds.

Dimmer offset

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button until the odIM is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the dimmer home position(0~255). Once the mode has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, to go back to the main functions without any change after 8 seconds.

5. How To Control The Unit

You can operate the unit in three ways:

1. By master/slave built-in preprogram function
2. By easy controller CA-8
3. By IL-0824 (please refer to the user guide of iLead controller) or by universal DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be effected at once. Every time you turn the unit on, it will show 575U on the display and move all the motors to their 'homing' position. You may hear some noises for about 20 seconds. After the progress will be ready to receive DMX signal or run the built-in programs.

5.1. Master/Slave Built-In Preprogrammed Function

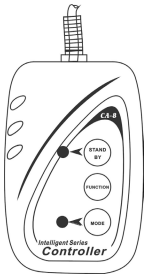
You can select blackout mode bLnd in Y bo (yes blackout) or n bo (no blackout) mode while the unit is turned on. By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. You have to select show (show 1, 2, 3, 4) modes by easy controller . Its DMX input jack will have nothing plugged into it, and Its master LED will be constantly on and sound LED will flash to the music. The other units will have to set in slave mode SLnd and select SL 1 (normal) or SL 2 (2 light show) mode, Their DMX cables plugged into the DMX input jacks (daisy chain) and the slave LED lights will constantly on.

2-light show

In SLnd (slave mode), SL 1 means the unit works normally and SL 2 means 2-light show. In order to create a great light show, you can set SL 2 on the second unit to get contrast movement to each other, even if you have two units only.

5.2. Easy Controller CA-8

The easy remote control is used only in master/slave mode. By connecting to the 1/4" microphone jack of the first unit, you will find that the remote control on the first unit will control all the other units for Stand by, Function and Mode.



Stand by	Blackout the unit			
Function	Strobe 1. Color sync. strobe 2. Sync. strobe 3. Two-light strobe	X/Y moving show pattern selection (Show 1 ~ Show 4) Please refer to 4.2. Main Functions- Show mode	Color selection	X/Y moving setting 1.Pan position 2.Tilt position 3.Dimmer First set Master unit, then set Slave units' position
Mode	Sound 1 (LED off)	Sound 2 (LED normal blinking)	Slow/Sound 3 (LED on)	Position/ Latch (LED fast blinking)

5.3.1 i Solution Operation

- Consistent DMX configuration enable iRock and iShow to be linked and controlled together at the same time.
- DMX address can be set remotely by iLead controller (please refer to the user manual of iLead controller). No need to calculate the DMX channels of each fixture in the chain.
- Automatic switching between DMX function and built-in stand alone programs.

5.3.2 DMX Controller

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal.

Press the **MENU** button until the Addr is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX 512 address. Once the address has been selected, press and keep **ENTER** button pressed until the display stops blinking or storing automatically 8 seconds later. To go back to the functions without any change press the **MENU** button again.

Please refer to the following diagram to address your DMX 512 channel for the first 4 units.

16 Channels：

8 Channels：

You have to set the fixture' show mode in 8 channels mode when you use IL-0824 controller. DMX start address can be set remotely by IL-0824 controller. No need to calculate the DMX channels of each fixture in the chain.

Please refer to the following diagram to address your DMX 512 channel for the first 4 units.

8 Channels：

5.4. DMX 512 Configuration : 16-channel Mode DMX configuration

DMX-512 Configuration

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
Pan	Tilt	Pan/Tilt speed	Dimmer	Shutter	Color	Cyan	Mangenta
540° 270° 0°	270° 135° 0°	255 Slow 0 Fast	255 100% 0 0%	248-255 Open 132-247 free shutter 131 Fast shutter 016 Slow shutter 008-015 Open 000-007 Blackout	255 Fast 192 Slow 191 Slow 128 Fast 109-127 Purple 091-108 Light blue 073-090 Green 055-072 Orange 037-054 Yellow 019-036 Red 000-018 White	255 100% 0 0%	255 100% 0 0%
Channel 9	**Channel 10**	**Channel 11**	**Channel 12**	**Channel 13**	**Channel 14**	**Channel 15**	**Channel 16**
Yellow	CMY Color Mix Macro	CMY Speed	Effect	Zoom	Pan 16 bit	Tilt 16 bit	Lamp On/Off /Reset
255 100% 0 0%	128-255 Macro 124-127 Color31 120-123 Color30 116-119 Color29 113-115 Color28 109-112 Color27 105-108 Color26 102-104 Color25 098-101 Color24 094-097 Color23 090-093 Color22 087-089 Color21 083-086 Color20 079-082 Color19 076-078 Color18 072-075 Color17 068-071 Color16 064-067 Color15 061-063 Color14 057-060 Color13 053-056 Color12 049-052 Color11 046-048 Color10 042-045 Color9 038-041 Color8 035-037 Color7 031-034 Color6 027-030 Color5 023-026 Color4 020-022 Color3 016-019 Color2 012-015 Color1 008-011 White 000-007 Open	255 Slow 0 Fast	240-255 Frost 033-239 Beam Shape Rotation 016-032 Beam Shppe 000-015 Open	255 28° 0 7°	255 16 BIT PAN 0	255 16 BIT TILT 0	255 239 Lamp off 230 209 Dmx reset 200 139 Lamp on 130 0 Normal

i.) The value as below will be effected after about five seconds,

For DMX reset, put DMX value of CH-16 to 200-209

For DMX lamp on, put DMX value of CH-16 to 130-139.

For DMX lamp off, put DMX value of CH-16 to 230-239.

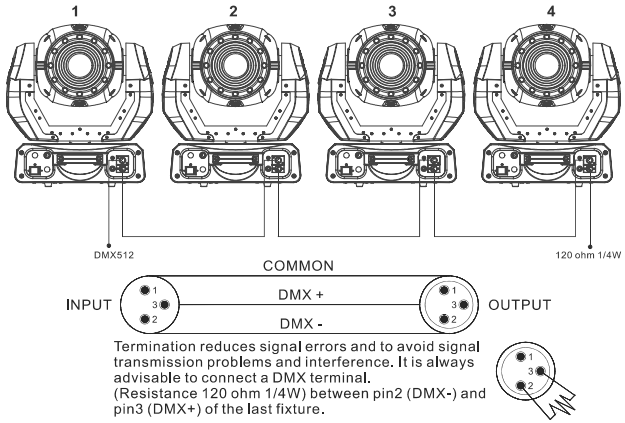
8-channel Mode DMX configuration

DMX-512 Configuration

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
Pan	Tilt	Shutter	Effect Wheel	Color	CYM Color Mix /Macro	Dimmer	Zoom
540°	270°	248-255 Open	240-255 Frost	255 Fast	128-255 Macro	255 100%	255 28°
		132-247 free shutter			124-127 Color31		
					120-123 Color30		
					116-119 Color29		
				192 Slow	112-115 Color28		
		131 Fast shutter		191 Slow	108-111 Color27		
					104-107 Color26		
			033-239 Beam Shape Rotation		100-103 Color25		
					096-099 Color24		
					092-095 Color23		
				128 Fast	088-091 Color22		
					084-087 Color21		
					080-083 Color20		
				109-127 Purple	076-079 Color19		
					072-075 Color18		
					068-071 Color17		
				091-108 Light blue	064-067 Color16		
					060-063 Color15		
					056-059 Color14		
					052-055 Color13		
270°	135°			073-090 Green	048-051 Color12		
			016-032 Beam Shppe		044-047 Color11		
					040-043 Color10		
					036-039 Color9		
				055-072 Orange	032-035 Color8		
					028-031 Color7		
					024-027 Color6		
				037-054 Yellow	020-023 Color5		
					016-019 Color4		
					012-015 Color3		
				019-036 Red	008-011 Color2		
					004-007 Color1		
		016 Slow shutter					
0°	0°	008-015 Open					
					000-003 White	000 0%	0 7°
		000-007 Blackout	000-015 Open	000-018 White			

5.5. DMX 512 Connection

The DMX 512 is widely used in intelligent lighting control, with a maximum of 512 channels.



1. If you use a controller with 5 pins DMX connector, you need to use a 5 to 3 pin adapter.
2. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a “daisy chain” by XLR plug from the output of the unit to the input of the next unit. The cable cannot be branched or split to a “Y” cable. DMX512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when power is disconnected to the unit.
5. Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pins XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

6. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connect power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check in the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some units don’t respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the unit. Set the proper address.

D. No response to the sound

1. Make sure that the unit is not receiving DMX signal.
2. Check microphone to see if it is good by tapping the microphone

E. One of the channels is not working well

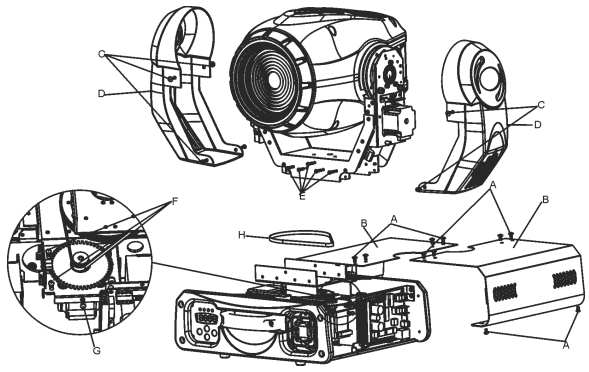
1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor’s drive IC on the PCB might be out of condition.

F. The lamp is cutting out intermittently

1. The lamp is not working well. Check the main voltage either too high or too low.
2. Internal temperature may be too high. Check and if necessary replace the fan on the head.

G. Pan Belt is broken

1. Turn off the main power.
2. Unscrew all the screws (A) and open the base-housing cover (B).
3. Unscrew all the screws (C) and open the arm cover (D).
4. Unplug all the connect wires that from the arm to the bottom.
5. Unscrew the screws (E) and remove the fixture head.
6. Loose the screws (F), then loose the screws (G).
7. Change a new belt (H) , put the belt around the axis gear and motor gear.
8. Screwed the screws (G), install the new belt and adjust the belt tension properly. Note: do not fix belt too tight as it is easy to rupture.
9. Plug all the connect wires back that from the bottom to the arm.
10. Reverse the procedures from point 5 to point 2.



Pay attention to the belt tension when install the belt.

Please refer to the photos below:

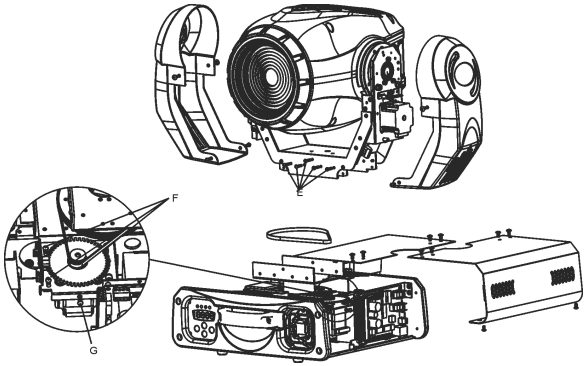


Photo 1

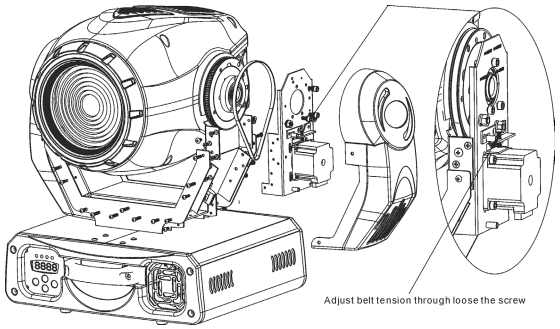


Photo 2

7. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

EC Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55014-2: 1997 A1:2001, EN61000-4-2: 1995; EN61000-4-3:2002;
EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6:1996,
EN61000-4-11: 1994.

&

Harmonized Standard

EN 60598-1: 2004
IEC 60598-1:2003+ corrigendum 2004
Part 1:General requirements and test

Following the provisions of the low voltage directive 73/23/EEC and 93/68/EEC

Innovation , Quality , Performance